

Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) EP 1 130 915 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
04.02.2004 Bulletin 2004/06

(51) Int Cl.7: H04N 5/913

(43) Date of publication A2:  
05.09.2001 Bulletin 2001/36

(21) Application number: 01104926.9

(22) Date of filing: 28.02.2001

(84) Designated Contracting States:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR  
Designated Extension States:  
AL LT LV MK RO SI

(72) Inventors:  
• Yamada, Masahiro  
1-1-1, Shibaura, Minato-ku, Tokyo (JP)  
• Sakamoto, Noriya  
1-1-1, Shibaura, Minato-ku, Tokyo (JP)  
• Hirota, Atsushi  
1-1-1, Shibaura, Minato-ku, Tokyo (JP)

(30) Priority: 29.02.2000 JP 2000054591

(71) Applicant: Kabushiki Kaisha Toshiba  
Kawasaki-shi Kanagawa 210-0913 (JP)

(74) Representative: Henkel, Feiler, Hänzeler  
Möhlstrasse 37  
81675 München (DE)

(54) Digital broadcast transmitter, receiver and method of receiving thereof

(57) A receiver for the digital broadcasts with which an appropriate copy regulation is executed for a temporal recording. Regarding the temporal recording of the programs of the digital broadcasts, either of the signals of the system including at least the signals, which represent

"recording permitted" or "recording prohibited", is received as the temporal record control data and the record control is executed in accordance with the temporal record control data to execute the temporal recording of the received broadcast program or not to execute the temporal recording.

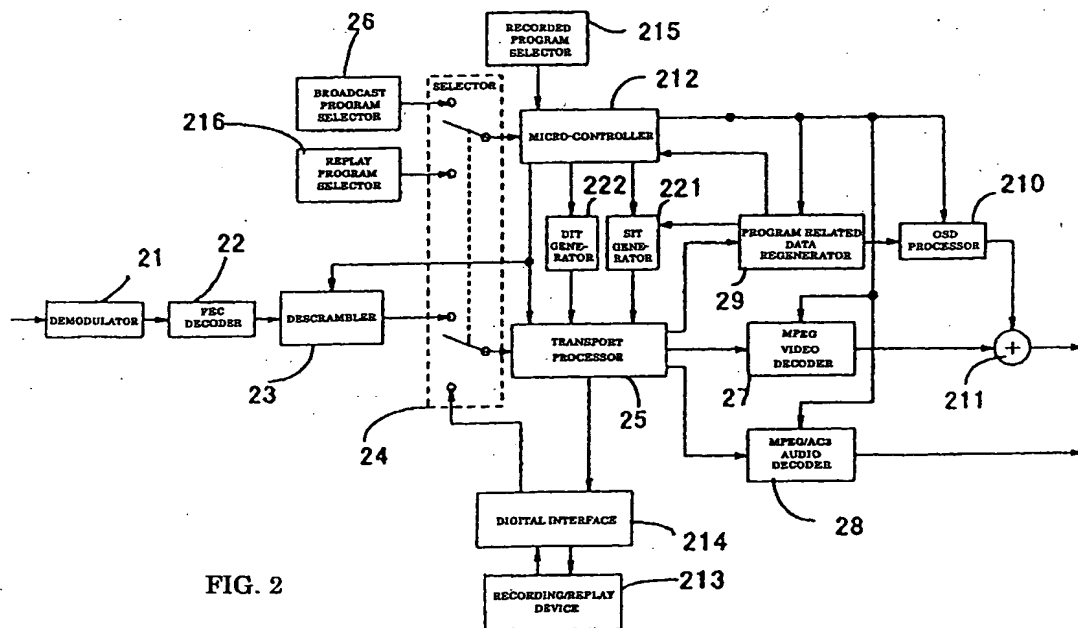


FIG. 2



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 01 10 4926

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 831 648 A (SONY CORP) 25 March 1998 (1998-03-25)	1-11	H04N5/913
Y	* column 1, line 43 - column 2, line 6 * * column 2, line 42 - line 53 * * column 4, line 18 - line 44 * * column 5, line 6 - line 57 * * figure 1 * ---	3,8,12, 13	
X	US 5 862 299 A (GOTO KOICHI ET AL) 19 January 1999 (1999-01-19)	1,2,4-7, 9-11	
Y	* column 5, line 1 - line 20 * * column 5, line 39 - line 65 * * column 7, line 2 - line 5 * * column 8, line 22 - line 47 * * column 9, line 24 - line 46 * * column 10, line 14 - line 21 * * column 10, line 27 - line 66 * * column 12, line 7 - line 23 * * column 12, line 34 - line 45 * * figure 1 * ---	3,8,12, 13	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04N
X	US 5 838 873 A (BRIDGEWATER KEVIN ELLIOTT ET AL) 17 November 1998 (1998-11-17)	4-7,9-11	
Y	* paragraph [0028] * * paragraph [0073] - paragraph [0074] * * paragraph [0079] - paragraph [0080] * * paragraph [0086] - paragraph [0089] * * figure 1 * ---	8,12,13	
Y	US 4 908 859 A (BENNETT CHRISTOPHER J ET AL) 13 March 1990 (1990-03-13) * column 1, line 44 - line 55 * * table 6 * ---	8	
	-/--		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 3 December 2003	Examiner Braga, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.02 (P04001)



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number

EP 01 10 4926

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 954 173 A (SANYO ELECTRIC CO) 3 November 1999 (1999-11-03) * paragraph [0028] * * paragraph [0030] * * paragraph [0032] * * paragraph [0064] * * paragraph [0073] - paragraph [0074] * * paragraph [0079] - paragraph [0080] * * paragraph [0086] - paragraph [0089] * * figures 1,7-16 * -----	1-13	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>3 December 2003</b>	Examiner <b>Braga, J</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 10 4926

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-12-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0831648	A	25-03-1998	JP 10093914 A	10-04-1998
			CN 1183005 A	27-05-1998
			EP 0831648 A2	25-03-1998
			US 6266480 B1	24-07-2001
US 5862299	A	19-01-1999	AU 3003597 A	07-01-1998
			EP 0906693 A1	07-04-1999
			JP 2000512824 T	26-09-2000
			WO 9749238 A1	24-12-1997
			US 6266481 B1	24-07-2001
			US 6104860 A	15-08-2000
US 5838873	A	17-11-1998	AU 3209497 A	05-01-1998
			BR 9709420 A	10-08-1999
			CN 1226357 A	18-08-1999
			EP 0903035 A1	24-03-1999
			JP 2000511019 T	22-08-2000
			KR 2000016169 A	25-03-2000
			WO 9746007 A1	04-12-1997
			AU 3150797 A	05-01-1998
			AU 3150897 A	05-01-1998
			AU 716349 B2	24-02-2000
			AU 3213297 A	05-01-1998
			AU 3213397 A	05-01-1998
			BR 9709409 A	10-08-1999
			BR 9709410 A	10-08-1999
			BR 9709494 A	10-08-1999
			BR 9709508 A	10-08-1999
			CA 2256632 A1	04-12-1997
			CN 1226354 A	18-08-1999
			CN 1226359 A	18-08-1999
			CN 1226355 A	18-08-1999
			CN 1226356 A	18-08-1999
			DE 69705948 D1	06-09-2001
			DE 69705948 T2	22-11-2001
			DE 69708867 D1	17-01-2002
			DE 69708867 T2	11-04-2002
			DE 69719503 D1	10-04-2003
			DE 69719503 T2	25-09-2003
			EP 0903033 A1	24-03-1999
			EP 0903034 A1	24-03-1999
			EP 0903036 A1	24-03-1999
			EP 0903038 A1	24-03-1999
			ES 2188948 T3	01-07-2003
			ES 2159140 T3	16-09-2001
			ES 2165065 T3	01-03-2002

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 10 4926

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-12-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5838873	A		JP 2000511020 T	22-08-2000
			JP 2001509322 T	10-07-2001
			JP 2001502854 T	27-02-2001
			JP 2000512095 T	12-09-2000
			KR 2000016059 A	25-03-2000
			KR 2000016091 A	25-03-2000
			KR 2000016092 A	25-03-2000
			KR 2000016170 A	25-03-2000
			PL 330219 A1	10-05-1999
			RU 2180470 C2	10-03-2002
			TR 9802484 T2	22-03-1999
			WO 9746008 A1	04-12-1997
			WO 9746017 A1	04-12-1997
			WO 9746009 A1	04-12-1997
			WO 9746010 A1	04-12-1997
US 4908859	A	13-03-1990	CA 1312562 C	12-01-1993
EP 0954173	A	03-11-1999	JP 2995034 B2	27-12-1999
			JP 11313282 A	09-11-1999
			DE 69909176 D1	07-08-2003
			EP 0954173 A1	03-11-1999

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82